



Approval # 20010021
(Replaces 950033-U)

Environmental & Regulatory Services Division
Bureau of Storage Tank Regulation
201 West Washington Avenue
P.O. Box 7837
Madison, WI 53707-7837

Wisconsin COMM 10 Material Approval

Equipment: Secondary Containment Vessel

Manufacturer: Ledgeview Precast Concrete, Inc.
N6672 County Rd. UU
Fond du Lac, WI 54935

Expiration of Approval: December 31, 2006

SCOPE OF EVALUATION

The secondary containment vessels manufactured by Ledgeview Precast Concrete, Inc. were evaluated against the diking requirements of **s. Comm 10.345** and the secondary containment and vehicle collision protection requirements of **ss. Comm 10.415 (7) to (8)** of the Wisconsin Flammable and Combustible Liquids Code. This is a renewal (with no changes) of a previously approved Material Approval.

DESCRIPTION AND USE

The Ledgeview secondary containment vessels are made of concrete, reinforced on the sides and bottom with #4 rebar at 12 inches on center in both directions. Standard models are for a 1,000-gallon tank and for a 500- or 560-gallon tank.

Removal of rainwater is accomplished with a manually primed siphon hose.

Anchor bolts are cast into the bottom to prevent tank flotation or displacement.

TESTS AND RESULTS

Dimensioned drawings are on file with the department showing configurations and capacities. Calculations were submitted showing adequate collision impact resistance to meet **s. Comm 10.415 (8)(a)**.

LIMITATIONS / CONDITIONS OF APPROVAL

- In accordance with **s. Comm 10.345 (1)(a)**, the secondary containment vessel shall have a capacity 25 percent larger than the tank it contains.
- In accordance with **s. Comm 10.415 (13)(a)**, the tank shall be elevated at least 12 inches above the floor of the secondary containment vessel and have at least 12 inches of clearance on all sides to allow for visual inspection.
- Additional vehicle collision protection, such as posts or rails in accordance with **s. Comm 10.415 (8)** are not required provided the tank is fastened with anchor bolts in the center of the vessel and shear valves, flexible connectors or other protective devices are installed on product and/or electrical lines to assure adequate system flexibility should the system be displaced by collision.

Unusual or heavy traffic patterns may require additional visual warning or collision protection.

- Dike construction shall use minimum #4 rebar in a 12 x 12 configuration.

This approval will be valid through December 31, 2006, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified in this document.

Reviewed by: _____
Greg Bareta
Engineering Consultant
Bureau of Storage Tank Regulation

Approved by: _____ Date: _____